

REMARKS

Claims 1-11 are pending.

The Examiner has imposed a restriction requirement between one of species I, II and III.

Applicant believes that the Examiner has misinterpreted the specification. It appears that the Examiner believes that there are four possible configurations for the holes on the outer wall: a) one group of holes with one row of holes, b) one group of holes with two rows of holes, c) two groups of holes with one row of holes each, and d) two groups of holes with two rows of holes each.

However, the specification discloses two embodiments for the ports (holes) on the outer wall: 1) a single row of ports and 2) a pair of rows of ports, with "B" (Fig. 1) denoting the position of the first row of ports 8 and, if the embodiment includes a second row of ports, "C" denoting the position of the second row of ports 9. The specification does not indicate that "B" shows a first position for a group of ports having either one or two rows and "C" shows a second position for a second group of ports having either one or two rows.

Similarly, positions 1, 2 and 3 (Fig. 4) merely denote three different positions for a single group of ports that can include either one or two rows of ports.

With this in mind, to the extent that an election is required, Applicant elects a species having a single group of ports on the outer flame-tube wall and a single group of ports on the inner flame-tube wall, with each group having a single row of ports.

Applicant has revised the claims for purposes of clarity but has not narrowed the scope of the claims with these amendments. It is noted that the term "common main or dilution zone" has been amended to read as "common main zone" for purposes of clarity but that this amended term is not intended to have a different meaning than the original term.

Applicant has also submitted herewith proposed drawing revisions under separate cover. Reference numerals 20 and 30 have been added to Fig. 1 and reference numerals 16 and 17 have been added to Fig. 6. The alignment of the port axis shown for position 1 in Fig. 4 has been corrected to conform with the description given in the specification at page 10, last

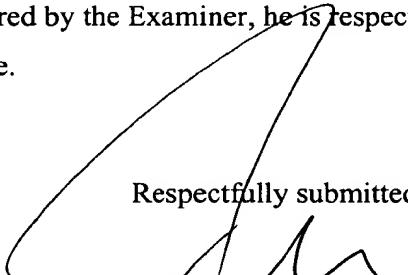
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paragraph through page 11, first paragraph. These changes would have been apparent to a person of ordinary skill in reading the specification in conjunction with the Figures and these changes do not add new matter. Figs. 2, 7 and 9 have had the German term "Ansicht" translated to "view". It is respectfully requested that these changes be approved.

An early action on the merits is respectfully requested.

If anything else of a minor nature is required by the Examiner, he is respectfully requested to contact the undersigned by telephone.

Respectfully submitted,



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APPENDIX

(Claims With Markings To Show Changes Made)

1. (Amended) A gas-turbine [Gas-turbine] combustion chamber [with] comprising:

at least one [, separate] pilot zone [(20)] associated with a pilot burner; [(2) and with]
at least one [,] common main [or dilution] zone [(3)] associated with a main burner
[(3)], the pilot burner and the main burner being [which are] axially and radially offset relative
to each other, said common main [or dilution] zone [(30)] comprising:

an outer flame-tube wall, [(4)] and
an inner flame-tube wall [(5)], each wall provided with ports for the
introduction of air into the common main zone, with said main burner [(3)] being [arranged at]
radially positioned toward the outer flame-tube wall [(4)] and with said pilot burner [(2)] being
[arranged at] radially positioned toward the inner flame-tube wall [(5)], [characterized in that]
wherein the outer-flame tube wall [(4) is provided with] includes a first
arrangement of ports [(6) of single-row] including a single first row of ports [of the common
main and dilution zone (30)] and [in that] the inner flame-tube wall [(5) is provided with]
includes a second arrangement of ports [(7) of single-row] including a single first row of ports,
with an alignment of the ports of the second arrangement [(11)] being [located] either on-
center or off-center [of the interspace] with interspaces of the first row of ports [(8)] of the
first arrangement [(6) of the outer flame-tube wall (4)].
2. (Amended) A gas-turbine [Gas-turbine] combustion chamber in accordance with Claim 1,
[characterized in that] wherein the first arrangement [(6)] of ports [is provided as double]

includes a second row of ports, with the ports [(9)] of the second row being [located] aligned either on-center or off-center with, and positioned rearwards of, the [interspace] interspaces of the ports [(8)] of the first row.

3. (Twice Amended) A gas-turbine [Gas-turbine] combustion chamber in accordance with Claim 1, [characterized in that] wherein the second arrangement [(7)] of ports on the inner flame-tube wall [(5) is provided as double] includes a second row of ports, [with the ports (12) of the first row being located either on-center or off-center of the interspaces of the first row of ports (8) of the first arrangement (6) and] with the ports [(13)] of the second row of the second arrangement being [located] aligned on-center or off-center of the interspaces of the first row of ports [(9)] of the first arrangement [(6)].

4. (Twice Amended) A gas-turbine [Gas-turbine] combustion chamber in accordance with Claim 2 [1], [characterized in that] wherein the following relationships are satisfied by [the] a distance t_1 [of the] from centers of the ports [(8)] of the first row of the first arrangement to an upstream wall of a flame tube of the main burner, [and by the] a distance t_2 [of the] from centers of the ports [(9)] of the second row of the first arrangement [(6) in the outer flame-tube wall (4) from an] to the upstream wall [(14)] of [a] the flame tube [(15)] of the main burner [(3) (main burner exit plane) to the], and a height h of the flame tube of the main burner [(15)]:

$$t_1/h [=] \geq 0.4 \text{ [(minimum distance)]},$$

$$t_2/h [=] \leq 1.2 \text{ [(maximum distance)]}.$$

5. (Twice Amended) A gas-turbine [Gas-turbine] combustion chamber in accordance with Claim 1, [characterized in that] wherein the ports [(8 to 13)] are circular.

6. (Twice Amended) A gas-turbine [Gas-turbine] combustion chamber in accordance with Claim 1, [characterized in that] wherein the ports [(8 to 13)] are non-circular.

7. (Twice Amended) A gas-turbine [Gas-turbine] combustion chamber in accordance with Claim 1, [characterized in that] wherein the ports [(8 to 13)] are plain holes in the flame-tube walls.

8. (Twice Amended) A gas-turbine [Gas-turbine] combustion chamber in accordance with Claim 1, [characterized in that] wherein the ports [(8 to 13)] are plunged holes in the flame-tube walls having [with a] small rims [rim (16)] extending into the combustion chamber [(1)].

9. (Twice Amended) A gas-turbine [Gas-turbine] combustion chamber in accordance with Claim 1, [characterized in that] wherein the ports [(8 to 13) are provided with a] include tubular chutes [chute (17)] extending into the combustion chamber [(1)].

10. (Twice Amended) A gas-turbine [Gas-turbine] combustion chamber in accordance with Claim 1, [characterized in that the] wherein exit axes of the ports [(11, 12, 13)] of the second arrangement [inner flame-tube wall (5) are set such that they meet] are respectively aligned to lie within an angle formed between a first line extending from the respective exit axes of the ports to an [area of the combustion chamber which is confined by the] intersection

(A) of [the] a main burner axis [(18)] with [the] a main burner exit plane [(19)] and a second line extending from the respective axes of the ports to an [the] intersection (C) of [the] an axis of downstream-most ports of the first arrangement [(6) of the ports (8, 9, 10)] with the outer flame-tube wall [(4)].

11. (Twice Amended) A gas-turbine [Gas-turbine] combustion chamber in accordance with Claim 1, [characterized in that] wherein [the] a diameter d of the ports [(8-10, 11-13)] is set so that d/h lies in a range of $0.12 \leq d/h \leq 0.3$, where h is [the] a flame-tube height of the main burner.